Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Replacing ISO and Aperture Size with Gain and Saturation.
Description (background): The M.O.S.I.S's cameras does not support changing its default value of ISO and Aperture Size. To work around this issue, we decided to change the gain and exposure to achieve comparable results.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? **(include communication/notification of change requirements):**
No immediate action required.

Authorization

Requested by: Fabio J. Matos Nieves & Eduardo S. Miranda Figueroa   Date Requested: 11/20/23

Approved by: _(signature)_   Date Approved: 11/24/23

Authorized by: _(signature)_   Date Authorized: 11/24/23

Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Replacing Infrared and Visible Spectrum with Red and White lighting.
Description (background): The LEDS on the M.O.S.I.S microscope does not have Infrared and Visible Spectrum as we originally planned. It does have Red and White lighting which serve similar purposes.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

Requested by: Fabio J. Matos Nieves & Eduardo S. Miranda Figueroa   Date Requested: 11/20/23

Approved by: _____   Date Approved: 11/24/23

Authorized by: _____   Date Authorized: 11/24/23

Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing the live preview feed from 24fps to ⅓ fps.
Description (background): The cameras do not support more than 15 fps in the best possible conditions. Due to hardware bottleneck and to maintain a steady frame rate, we will be reducing the frame rate to ⅓ fps.

Impact Assessment

Impact on Service/Quality:
The camera preview will be choppier than intended.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

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Approved by: _(signature)_   Date Approved: 11/24/23

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Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing shutdown sequence from one button to long press of single button.
Description (background): To minimize user input error the client and us agreed to change the shutdown input from one button to one button long pressed for 5 seconds.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

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Approved by: _[signature]_   Date Approved: 11/24/23

Authorized by: _[signature]_   Date Authorized: 11/24/23

Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing menu screens from one button to two buttons.
Description (background): To facilitate changing menu screens we added a button to cycle up and down through the various screens.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

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Approved by: _(signature)_   Date Approved: 11/24/23

Authorized by: _(signature)_   Date Authorized: 11/24/23

Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing the ISO date format from (yyyy-MM-ddTHH:mm:ss.zzz) to (yyyy-MM-ddTHH-mm-ss.zzz)
Description (background): Since the Windows OS does not support the character ":" in a file directory we have decided to change the format to allow Windows integration.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? **(include communication/notification of change requirements):**
No immediate action required.

Authorization

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Approved by: Date Approved: 11/24/23

Authorized by: Date Authorized: 11/24/23

Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing the Shutter Speed max from 30s to 2s.
Description (background): In the official cameras' specification the maximum supported shutter speed is 2 seconds not 30 seconds as we originally thought.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

Requested by: Fabio J. Matos Nieves & Eduardo S. Miranda Figueroa   Date Requested: 11/20/23

Approved by: _____   Date Approved: 11/24/23

Authorized by: _____   Date Authorized: 11/24/23

Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing the White Balance values from 1,000K - 10,000K to 3,200K – 6,500K.
Description (background): In the official cameras' specification the values for white balance were 3,200 – 6,500 not 1,000 – 10,000 as we originally thought.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

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Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Changing the pH Calibration Menus from three sliders for the low, mid, and high points to three buttons.
Description (background): The Sensors already have a function that calibrates each point and all we must do is call the function.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

Authorization

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Project Change Control Form

Project Name: M.O.S.I.S U.I 2.0
Project Manager: Fabio J. Matos Nieves
Change Request: Clarifying stepper motor values from one stepper motor step to five focus step.
Description (background): The stepper motor steps values can range more than 46,000 steps so to improve user experience we are redefining the stepper motor steps to be a jump of five focus steps.

Impact Assessment

Impact on Service/Quality:
No impact on Service/Quality.

Impact on Schedule:
No impact on Schedule.

Impact on Cost?
No impact on cost.

Immediate Action Required? (include communication/notification of change requirements):
No immediate action required.

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